

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A sealing structure for polymer electrolyte fuel cell having a membrane electrode assembly, the sealing structure comprising:

a bipolar plate with including a sealing groove and an anchor groove coupled to a periphery of the sealing groove, the sealing groove surrounding at least one of a reaction site or a manifold formed on the bipolar plate, the anchor groove extending toward an outer edge of the bipolar plate, and a width of the anchor groove being greater than a width of the sealing groove;

a sealing member formed of rubber and positioned in the sealing groove and the anchor groove; and

a gasket interposed between said the bipolar plate and ~~[[a]] the~~ membrane electrode assembly, ~~;- and-~~

~~an anchor in contact with said sealing groove, whose width is greater than the width of said sealing groove.-~~
2. (Canceled).

3. (Currently Amended) The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein said ~~the width of the~~ anchor groove ~~is~~ has a width of 1.5 times ~~greater than the width of the~~ of the width of said sealing groove.
4. (Currently Amended) The sealing structure for polymer electrolyte fuel cell as in claim 3, wherein said ~~a depth of the~~ sealing groove and said ~~is equal to a depth~~ of the anchor groove ~~have same depth.~~
5. (Currently Amended) The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein said ~~the~~ anchor groove is formed ~~extending from the periphery~~ of the sealing groove along a direction perpendicular to the periphery of the ~~sealing groove.~~ vertically to a route direction of said sealing groove in the ~~periphery of said sealing groove.~~
6. (Currently Amended) The sealing structure for polymer electrolyte fuel cell as in claim ~~[[5]]~~ 1, further comprising an opposed bipolar plate having an opposed ~~anchor groove~~, wherein said anchors on each of said bipolar plate located in the ~~front and the rear of said~~ the bipolar plate and the opposed bipolar plate are ~~disposed on opposite sides of the~~ membrane electrode assembly; are located symmetrically to each other.

7. (Currently Amended) The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein said ~~the~~ rubber comprises a rubber material ~~is made of any of rubber materials~~ containing at least one of silicon, fluorine, or olefin.
8. (Currently Amended) The sealing structure for polymer electrolyte fuel cell as in claim 1, wherein said ~~the~~ gasket comprises ~~is manufactured of the same material with said~~ as the bipolar plate.
9. (Previously Presented) A polymer electrolyte fuel cell comprising said sealing structure stated in any of claims 1 and 3-8.
10. (New) The sealing structure of claim 6, wherein the opposed anchor groove is formed on the opposed bipolar plate at a location symmetric with respect to the anchor groove of the bipolar plate.
11. (New) A polymer electrolyte fuel cell comprising:
 - a plate comprising:
 - a sealing groove having a first portion and a second portion, the first portion surrounding at least one of a reaction site or a manifold formed on the plate, and the second portion extending from a periphery of the first portion toward an outer edge of the plate, the second portion

having a width greater than a width of the first portion;
and
a sealing member of soft elastic material formed in the
sealing groove;
a membrane electrode assembly; and
a gasket interposed between the plate and the membrane electrode
assembly.

12. (New) A method for making a sealing plate for a polymer electrolyte fuel cell,
comprising:
forming a sealing groove in the plate, the sealing groove:
having a first portion surrounding at least one of a reaction
site or a manifold, and
having a second portion extending from a periphery of the
first portion toward an outer edge of the sealing plate,
the second portion having a width greater than a
width of the first portion;
forming a sealing element of soft elastic sealing material into the sealing
groove, comprising, sequentially:
dispersing the sealing material in liquid form into the second
portion;
dispersing the sealing material in liquid form into the first
portion; and

dispersing the sealing material in liquid form into the second
portion, such that the sealing material is partially
projected from a surface of the plate; and
converting the liquid sealing material into a solid form.